

# Accessory Structure (Solar) Requirements

## PHOTOVOLTAIC Checklist:

*At a minimum, the completed checklist and following information must be provided along with all permit applications:*

1. \_\_\_ Plans with dimensions.
2. \_\_\_ Wiring schematic.
3. \_\_\_ Attachment detail for roof modules.
4. \_\_\_ Equipment details (modules, inverters, combiner boxes, etc.).
5. \_\_\_ Manufacturer's installation instructions.
6. \_\_\_ Location of main or utility disconnect.
7. \_\_\_ Total number of modules, number of modules per string & total number of strings.
8. \_\_\_ One line diagram.
9. \_\_\_ Specify grounding/bonding, conductor types/sizes.
10. \_\_\_ Make/model of modules, inverters, combiner box...if used.
11. \_\_\_ If batteries are to be installed, plan shall include this information: **batteries and batteries enclosure, battery charge controller and separate subpanel(s) for critical load circuits.**
12. \_\_\_ Cut sheets for all equipment.
13. \_\_\_ Specify that labeling of all equipment to comply with Articles 690 & 705 of the 2014 N.E.C.
14. \_\_\_ Site diagram showing arrangement of modules on roof (Including Fire Department access path and width) or ground, north arrow, lot dimension and distance from property lines and adjacent structures if applicable.
15. \_\_\_ Type of roof covering, number of roofing layers and age of roof. If existing roof is nearing the end of normal life expectancy, a re-roof may be prudent prior to installing rooftop photovoltaics.
16. \_\_\_ Type of roof framing (i.e. conventional or truss), size and spacing of roof framing members.

17. \_\_\_\_ Weight of modules, support locations, method of attachment and wind load design.
18. \_\_\_\_ Framing plan and any details relative for any work necessary to reinforce existing roof for additional loads to be imposed.
19. \_\_\_\_ Any relevant calculations.
20. \_\_\_\_ Location of all photovoltaic equipment on building.
21. \_\_\_\_ Where an approved racking system is used: Provide documents showing the manufacturer of the rack system, attachment method to roof or ground and product evaluation/structural design of the system.

*Apply*

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